

## CLAIMS

I claim:

1. A battery storage apparatus comprising:  
  
a housing, said housing comprising a non-conductive sleeve having an open end, a closed end, and a substantially constant cross section along its entire length from the open end to the closed end, and said sleeve being dimensioned to conform closely to and receive a battery of known dimensions, the length of said sleeve being shorter than the length of said battery.
2. The battery storage apparatus of claim 1, wherein  
  
said housing defines more than one cavity, each cavity having an open end, a closed end, and a substantially constant cross section along its entire length from the open end to the closed end, said cavities being dimensioned to conform closely to and receive one or more batteries of known dimensions, the length of said sleeve being shorter than the length of said battery or batteries.
3. The battery storage apparatus of claim 1, wherein the closed end of the sleeve defines at least one aperture large enough for air to pass through.
4. The battery storage apparatus of claim 2, wherein the closed ends of the housing defines at least one aperture large enough for air to pass through.
5. The battery storage apparatus of claim 3, wherein said aperture has a diameter smaller than a diameter of a battery terminal.
6. The battery storage apparatus of claim 4, wherein said aperture has a diameter smaller than a diameter of a battery terminal.
7. A battery storage apparatus comprising a housing, said housing comprising:

(a) a first non-conductive sleeve having an open end, a closed end, and a substantially constant cross section along its entire length from the open end to the closed end, said first sleeve being dimensioned to conform closely to and receive a battery of known dimensions, the length of said first sleeve being shorter than the length of said battery; and

(b) a second non-conductive sleeve having an open end, a closed end, and a substantially constant cross section along its entire length from the open end to the closed end, said second sleeve being dimensioned to conform closely to and receive the exposed end of said battery of known dimensions, the length of said second sleeve approximately the length of said exposed battery.

8. The battery storage apparatus of claim 7, wherein

(a) the first non-conductive sleeve defines more than one cavity, each cavity having an open end, a closed end, and a constant cross section along its entire length from the open end to the closed end, each of said cavities being dimensioned to conform closely to and receive one or more batteries of known dimensions, the length of said first sleeve shorter than the length of said battery or batteries; and

(b) the second non-conductive sleeve defines more than one cavity, each cavity with an open end, a closed end, and a constant cross section along its entire length from the open end to the closed end, each of said cavities being dimensioned to conform closely to and receive the exposed end of said battery or batteries of known dimensions, the length of said second sleeve approximately the length of said exposed battery or batteries.

9. The battery storage apparatus of claim 7, wherein the closed end of the first sleeve defines at least one aperture large enough for air to pass through and the closed end of the second sleeve defines at least one aperture large enough for air to pass through.
10. The battery storage apparatus of claim 8, wherein the closed ends of the first sleeve define at least one aperture large enough for air to pass through and the closed ends of the second sleeve define at least one aperture large enough for air to pass through.
11. The battery storage apparatus of claim 9, wherein said aperture has a diameter smaller than a diameter of a battery terminal.
12. The battery storage apparatus of claim 10, wherein said aperture has a diameter smaller than a diameter of a battery terminal.